

1. (Twice amended) A fusion protein having binding specificity for human interleukin-4 (IL4) comprising:

B₁ six complementarity determining regions (CDRs), wherein said six CDRs include three heavy chain CDRs and three light chain CDRs and at least one of said CDRs is obtained from a non-human neutralizing monoclonal antibody having a dissociation constant equal to or less than 2×10^{-10} M for human IL4, and

a first protein or peptide encoded by a first fusion partner, wherein said three heavy chain CDRs and three light chain CDRs are operatively positioned in said first fusion partner.

B₂ 5. (Twice amended) The fusion protein according to claim 1 wherein said first protein comprises amino acids 21-50, [56] 58-71, 88-119, and 131-141 of SEQ ID NO:12 sequentially. *N.M.*

B₃ 16. (Twice amended) A chimeric antibody comprising a heavy chain and a light chain, said antibody having a dissociation constant equal to or less than about 2×10^{-10} M for human IL4, wherein the amino acid sequences of the complementarity determining regions of said heavy chain and said light chain are obtained [derived] from a non-human neutralizing monoclonal antibody specific for human IL4 having a dissociation constant equal to or less than about 2×10^{-10} M for human IL4.

30. (Twice amended) A method for [detecting] diagnosing conditions associated with excess immunoglobulin E production in a human which comprises:

B₄ contacting a sample of biological fluid with a [high titer] monoclonal antibody having a dissociation constant equal to or less than about 2×10^{-10} M for human IL4; and

needs confirmation assaying for the occurrence of binding between said monoclonal antibody and human interleukin 4.